

Technical Data Sheet

NO.: 043.04500.010

Identification

	<p>Example: BX450</p> <p>BX: Double Bias ($\pm 45^\circ$)</p> <p>450: Nominal weight per square meter (g/m^2)</p>
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Specifications

Constructions	Standard NO.	Area Weight		Tolerance %	Material
		g/m^2	Oz/yd^2		
0°	ISO 3374	1.3	0.04	± 5	E-Glass 68tex
+45°	ISO 3374	225	6.64	± 5	E-Glass 300tex
90°	ISO 3374	1.3	0.04	± 5	E-Glass 68tex
-45°	ISO 3374	225	6.64	± 5	E-Glass 300tex
Mat	ISO 3374	/	/	/	/
Stitching Yarn	ISO 3374	6	0.18	± 5	Polyester 83d'tex
Total Area Weight	ISO 3374	460	13.53	± 5	/

Remark: Above are standard specifications, other customized specifications to be discussed.

Technical parameters

Stitch Gauge	E 06 GG	Stitch Type	Pillar Stitch
Stitch Length	2.63mm	Warp Thread Count	2.0Threads/10cm or 0.5Threads/1inch
	0.1in	Weft Thread Count	2.0Threads/10cm or 0.5Threads/1inch
+45° Thread Count	75.2Threads/10cm or 19.1Threads/1inch	-45° Thread Count	75.2Threads/10cm or 19.1Threads/1inch
Width(Stitch or Loom Edges)	100 ~2540 mm($\pm 10\text{mm}$)	Standard Width	1270mm/50inch
	3.9 ~100inch ($\pm 0.4\text{inch}$)	Fringe	$\leq 5\text{mm} / \leq 0.2\text{inch}$

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Physical Properties

Moisture Content	≤0.2%	Loss on Ignition	0.5%~4.0%
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Packing

Roll Packing								
Roll Diameter		Roll Length		Roll Weight		Width		Packing Material
mm	inch	m	yds	kg	lbs	mm	inch	
220	8.7	85	93	50	110	1270	50	Carton
320	12.6	196	214	115	254	1270	50	Carton
380	15.0	273	299	160	353	1270	50	Craft Paper and Honeycomb Board

Pallet Packing								
Packing/Pallet		Rolls /Pallet	N.W.		G.W.		Pallet Size	
			kg	lbs	kg	lbs	mm	inch
220	4rolls×4layers	16	800	1764	840	1852	1320×960×1010	52×38×40
320	3rolls×3layers	9	1035	2282	1065	2348	1320×960×1090	52×38×43
380	3rolls×2layers (horizontal pallet)	6	960	2116	1000	2205	1300×1120×890	51×44×35
	3rolls×3layers (vertical pallet)	9	1440	3175	1485	3274	1140×1140×1400	45×45×55

Remark :

- 1.Roll weight can be customized.
2. All packing is NMG standard packing. Neutral packing & Customized packing to be discussed.

Storage

It is recommended that the fiber glass products be stored in a cool and dry environment.

The recommended temperature range of storage is between 10 ~ 30°C while the relative humidity is between 50 ~ 75%. The fiber glass products should remain in good packaging until using.

Container Packing- for Roll Diameter 220mm

Container Type	Size	Load	N.W.	G.W.
20'FCL	5.87m×2.33m×2.35m 19.3ft×7.6ft×7.7ft	20 Pallets	16000kg 35274lbs	16800kg 37038lbs
40'FCL	12m×2.33m×2.35m 39.3ft×7.6ft×7.7ft	26 Pallets	20800kg 45856lbs	21840kg 48149lbs
40'HC	12m×2.33m×2.66m 39.3ft×7.6ft×8.7ft	26 Pallets	20800kg 45856lbs	21840kg 48149lbs

Container Packing- for Roll Diameter 320mm

Container Type	Size	Load	N.W.	G.W.
20'FCL	5.87m×2.33m×2.35m 19.3ft×7.6ft×7.7ft	20 Pallets	20700kg 45636lbs	21300kg 46958lbs
40'FCL	12m×2.33m×2.35m 39.3ft×7.6ft×7.7ft	20 Pallets	20700kg 45636lbs	21300kg 46958lbs
40'HC	12m×2.33m×2.66m 39.3ft×7.6ft×8.7ft	20 Pallets	20700kg 45636lbs	21300kg 46958lbs

Container Packing- for Roll Diameter 380mm

Container Type	Size	Load	N.W.	G.W.
20'FCL	5.87m×2.33m×2.35m 19.3ft×7.6ft×7.7ft	17 Pallets	21120kg 46562lbs	21850kg 48171lbs
40'FCL	12m×2.33m×2.35m 39.3ft×7.6ft×7.7ft	17 Pallets	21120kg 46562lbs	21850kg 48171lbs
40'HC	12m×2.33m×2.66m 39.3ft×7.6ft×8.7ft	17 Pallets	21120kg 46562lbs	21850kg 48171lbs

Disclaimer

As a service to customers, NMG Composites Co.,LTD may provide computer-generated predictions of the physical performance of a product using a reinforcement fabric produced by NMG in combination with other materials or systems.

NMG makes no warranty whatsoever as to the accuracy of any such predicted physical performance, and customer acknowledges that customer is solely responsible for determining the performance and fitness for a particular use of any product produced by customer utilizing a fabric or material produced or manufactured by NMG.

Specifications of reinforcements may change without notice.

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